

KING COUNTY

PUBLIC RULES

DEPARTMENT OF ~~((DEVELOPMENT))~~ PERMITTING AND ENVIRONMENTAL  
~~((SERVICES))~~ REVIEW

DEPARTMENT OF NATURAL RESOURCES AND PARKS

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Chapter 21A-24

Rules and Regulations of the

Department of ~~((Development))~~ Permitting and Environmental  
~~((Services))~~ Review

and

Department of Natural Resources and Parks

~~((Sensitive))~~ Critical Areas: ~~((Alterations Within))~~  
Designation, Classification and Mapping of Channel Migration  
~~((Areas))~~ Zones

Effective Date: \_\_\_\_\_

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27  
28 AMENDATORY SECTION.

29 **21A-24-275 Definitions.**

30 A. Channel migration hazard area, moderate: ~~((.—"Channel~~  
31 ~~migration area" means those areas subject to risk due to~~  
32 ~~stream bank destabilization, rapid stream incision, stream~~  
33 ~~bank erosion, and shifts in location of stream channels, as~~  
34 ~~shown on King County's Channel Migration Hazard maps)) the~~  
35 portion of the channel migration zone, as shown on King  
36 County's Channel Migration Zone maps, that lies between the  
37 severe channel migration hazard area and the outer boundaries  
38 of the channel migration zone.

39 B. Channel migration hazard area, severe: the portion of  
40 the channel migration zone, as shown on King County's Channel  
41 Migration Zone maps, in which there is a higher level of  
42 channel migration hazard due to a high likelihood of  
43 continued, progressive bank erosion, rapid shifting of channel  
44 location or other imminent channel changes.

45 C. Channel migration zone (CMZ): the area along a river  
46 channel within which the channel can be reasonably predicted,  
47 based on best available science, to migrate over time as a  
48 result of natural and normally occurring hydrological and  
49 related processes when considered with the characteristics of  
50 the river and its surroundings.

51 D. Department. "Department" means the King County  
52 Department of ~~((Development))~~ Permitting and Environmental  
53 ~~((Services))~~ Review.

54  
55 AMENDATORY SECTION.

56 **21A-24-276 Authority and Purpose.** A. ~~((The proposed))~~  
57 These rules are ((authorized pursuant to)) adopted under  
58 K.C.C. chapter 2.98, K.C.C. 21A.02.090 and K.C.C.

~~((21A.24.275))~~ 21A.24.274. It is the purpose of these rules to ~~((implement the provisions of K.C.C. 21A.24.275 requiring promulgation of public rules to delineate permissible alterations within "channel relocation and stream meander areas" as defined in K.C.C. 21A.06.182))~~ :

1. adopt criteria for channel migration designation, classification, and mapping; and

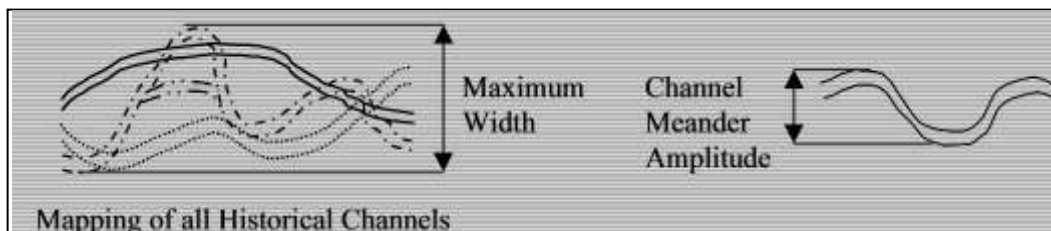
2. adopt channel migration zone studies and maps.

B. ~~((For the purposes of these rules, channel relocation and stream meander areas will hereinafter be referred to as "channel migration areas."))~~ King County will only prepare CMZ studies and maps for channels located within King County's shoreline jurisdiction.

#### AMENDATORY SECTION.

**21A-24-277 Designation and classification of channel migration ~~((areas))~~ zones.** A. ~~((Channel migration areas shall be based upon King County's channel migration area maps as adopted as administrative rules and determined as follows:~~

~~1. The channel migration area shall be a corridor that includes the present channel and is as wide as the maximum width occupied by all historical channels. For the purposes of these rules, the historical period shall include the period during which records of channel location were kept;~~



~~2. When the current active channel is near the edge of the mapped historical meander belt, the corridor shall be~~

91 ~~extended the distance equal to the median amplitude of all~~  
92 ~~historical channel meanders measured outward from the current~~  
93 ~~active channel;~~

94 ~~3. When a natural geologic feature will affect the~~  
95 ~~predicted migration, the corridor width shall be modified to~~  
96 ~~consider such natural constraints; and~~

97 ~~4. When structures such as arterial roads or flood~~  
98 ~~hazard reduction facilities are likely to be protected from~~  
99 ~~future bank erosion due to existing programs for public~~  
100 ~~maintenance, the corridor width may be modified to the~~  
101 ~~boundaries of such structures.~~

102 ~~B.)~~) Channel migration ((~~area~~)) zones shall be designated  
103 ((~~as follows:~~)) based upon a channel migration zone study  
104 prepared following the criteria in Appendix A to this rule.

105 ((~~1. A channel migration area shall be designated as~~  
106 ~~severe hazard when it lies within the area of the channel's~~  
107 ~~probable migration over the next one hundred years as measured~~  
108 ~~for fifty years in either direction from the edge of the~~  
109 ~~existing channel; and~~

110 ~~2. A channel migration area shall be designated as~~  
111 ~~moderate hazard when it lies between the area designated as~~  
112 ~~severe and the boundaries of the channel migration area.~~

113 ~~C. Pursuant to this rule, the attached Channel Migration~~  
114 ~~Area maps are hereby adopted for portions of the following~~  
115 ~~river systems:~~

116 ~~1. Tolt - river mile 1 to river mile 6;~~

117 ~~2. Snoqualmie:~~

118 ~~a. Middle Fork - river mile 40 to river mile 50;~~

119 ~~b. North Fork - river mile 0 to river mile 3; and~~

120 ~~c. South Fork - river mile 0 to river mile 2;~~

121 ~~3. Raging - river mile 1 to river mile 9; and~~

122 ~~4. Green - river mile 25 to river mile 46.~~

D. Special studies to determine channel migration area boundaries on a specific property may be submitted to the department (~~((if there is an apparent discrepancy between the determination or designation of channel migration areas pursuant to this section and the Channel Migration Area maps adopted pursuant to this section))~~) under section 21A-24-279A of this rule.

NEW SECTION

**21A-24-278A Adopted channel migration zone maps.** The Channel Migration Zone maps listed in Appendix B to this Rule are hereby adopted as the Channel Migration Zone maps for King County.

NEW SECTION

**21A-24-279A Updates, reassessments or adjustments to Channel Migration Zone Maps.**

A. To the extent practical, a completed CMZ study and map should be updated through its entire study length approximately every 20 years since its date of adoption, or more frequently if unpredicted channel migration render the study and map inaccurate through much of its study area. An updated CMZ study and map shall be prepared using the methods and criteria for channel migration designation, classification and mapping as for a new CMZ study and map, as specified in Appendix A. A completed CMZ study and map remains in effect until it is updated.

B. At the request of a property owner or on its own initiative, the department may reassess and adjust the boundary of a completed CMZ map within a smaller portion of the full CMZ study length and before the entire CMZ map is updated as follows:

155           1. A property owner may submit a critical area study to  
156 the department supporting the property owner's request for a  
157 site-specific reassessment of the CMZ boundary. The critical  
158 area study shall be conducted using channel migration mapping  
159 methods and criteria specified in Appendix A.

160           2. The department, in consultation with the department  
161 of natural resources and parks, may reassess and adjust the  
162 boundary of CMZ or its component hazard areas if it determines  
163 that the conditions within a specific portion of an overall  
164 CMZ study area have changed to the extent that the existing  
165 mapped CMZ boundary is no longer accurate. The reassessment  
166 and adjustment shall be made using mapping methods and  
167 criteria specified in Appendix A.

168           3. If the department, in consultation with the  
169 department of natural resources and parks, approves an  
170 adjustment to an existing CMZ map under subsection B.1 or B.2  
171 of this section, the adjustment will be documented by King  
172 County Water and Land Resources Division/River and Floodplain  
173 Management Section staff in a letter and annotated portion of  
174 the adjusted CMZ map. The letter and adjusted map portion  
175 shall be kept on file in the records associated with the  
176 existing CMZ study and map for that area. KC WLRD/ RFMS will  
177 record and post all CMZ adjustments to its website  
178 [www.kingcounty.gov/floodservices](http://www.kingcounty.gov/floodservices). KC WLRD/RFMS shall provide  
179 a digital version of the adjusted CMZ boundary(s) to the King  
180 County GIS Center for inclusion in the King County digital  
181 mapping system.

182  
183 REPEALER

184 The following rules, adopted with an effective date of June  
185 14, 1999 are hereby repealed:

186           A. 21A-24-278 Alterations within channel migration  
187 areas  
188           B. 21A-24-279 Bank stabilization  
189           C. 21A-24-280 Conformance with other provisions of the  
190 code  
191           D. 21A-24-281 Additional notice on title  
192  
193 **21A-24-282 Severability.** If a provision of the rules  
194 contained herein or its applicability to any person or  
195 circumstance is held invalid, the remainder of the provisions  
196 of these rules or the application of the provision to other  
197 persons or circumstances shall not be affected.